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TITLE: Method for supplying calling number
identification
                         presentation service using mobile
terminal rings

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PATENT-FAMILY:
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APPLICATION-DATA:
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ABSTRACTED-PUB-NO: KR2001002091A

BASIC-ABSTRACT:

NOVELTY - A method for supplying a calling number
identification
presentation(CNIP) service using mobile terminal rings is
provided to change
the mobile terminal rings according to originators, so as
to make a receiver
identify the originators and to designate which terminal
ring is generated when
a call is made from an originator, and so as to designate
which terminal ring

is generated when other user picks up a self telephone.

DETAILED DESCRIPTION - If an originator transmits a
call(202), an originating
mobile switching center(MSC) transmits a location request
invoke(LOCREQ)
message to a home location register(HLR)(203), to request a
subscriber
location. If the HLR transmits a routing request
invoke(ROUTREQ) message to a
visitor location register(VLR) of the originating MSC(204)
to request
connection information, a terminating MSC returns a
temporary local directory
number(TLDN) to the HLR through a routing request return
result(routreq)(205).
The HLR returns the TLDN to the originating MSC through a
location request
return result(locreq)(206). If the originating MSC
attempts a call connection
to the terminating MSC(207), the terminating MSC informs a
terminal of an
incoming call. The terminating MSC transmits calling
number identification
presentation(CNIP) information to the terminal(208). The
terminal having a
telephone directory made out by a user retrieves whether an
originating
telephone number exists in the telephone directory(209).
If so, a name of the
retrieved originating telephone number is displayed on a
screen(210). The
terminal retrieves an originating telephone number table to
check whether items
corresponding to the received originating telephone number
exist(211). If so,
a corresponding terminal ring is read from a memory(212).
If the items do not
exist, a basic terminal ring is read from the memory(213).
The read terminal
ring is outputted through a speaker(214). The terminal
continuously performs
call processes(215). If a receiver responds to the call
processes, a call is
connected(216).

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: METHOD SUPPLY CALL NUMBER IDENTIFY PRESENT
SERVICE MOBILE TERMINAL
          RING

DERWENT-CLASS: W01

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